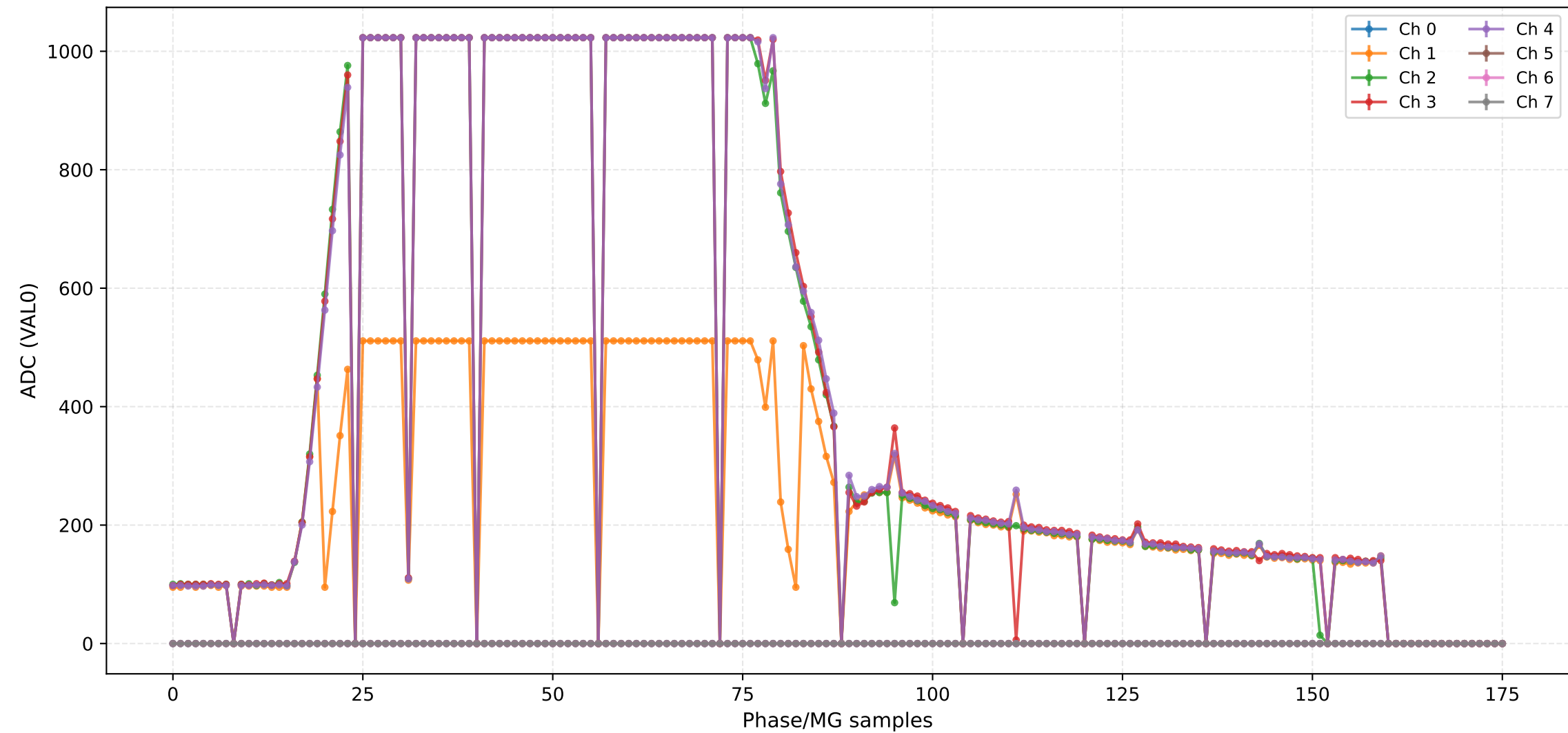


ADC (VAL0) - Channels 0 to 7



ADC (VAL0) - Channels 8 to 15



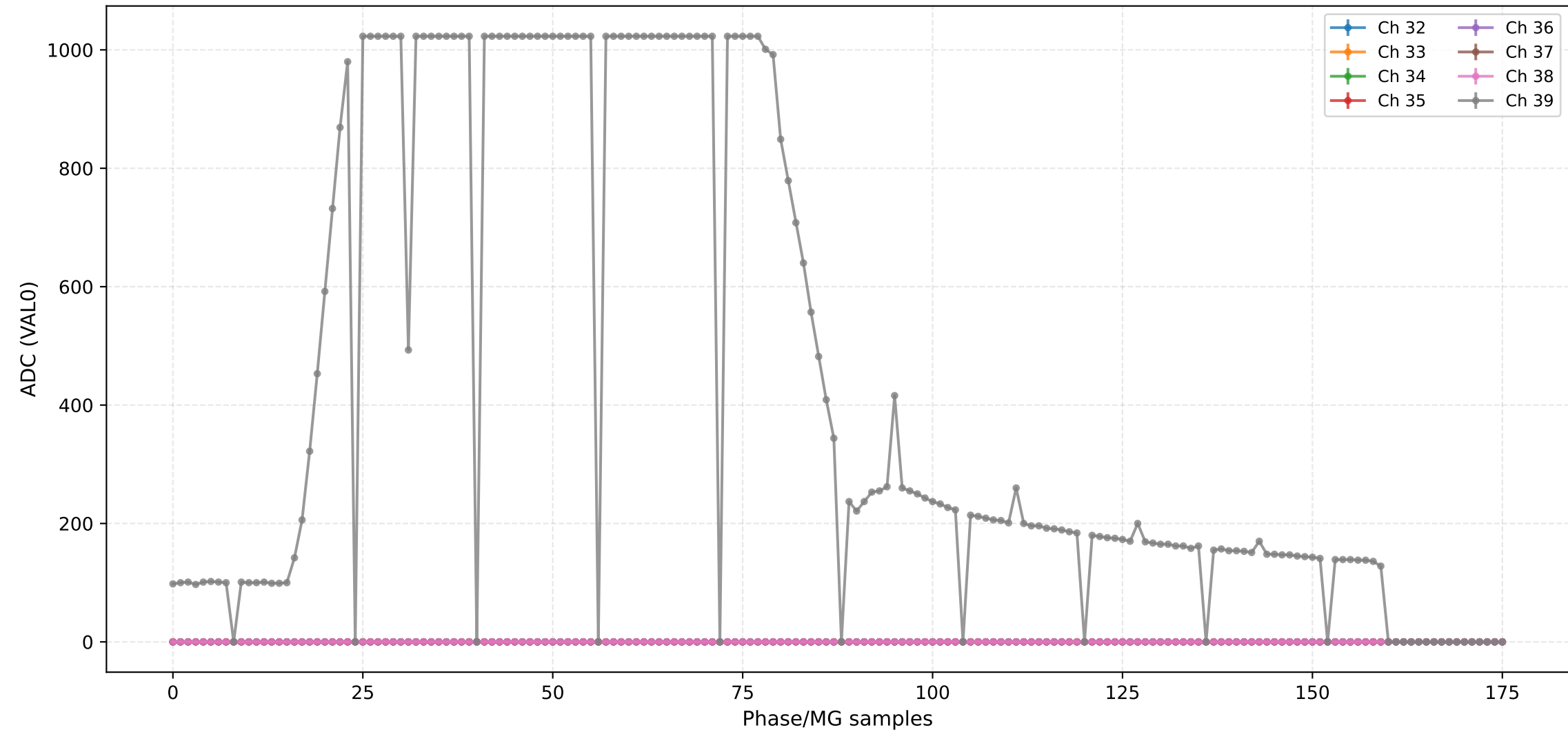
ADC (VAL0) - Channels 16 to 23



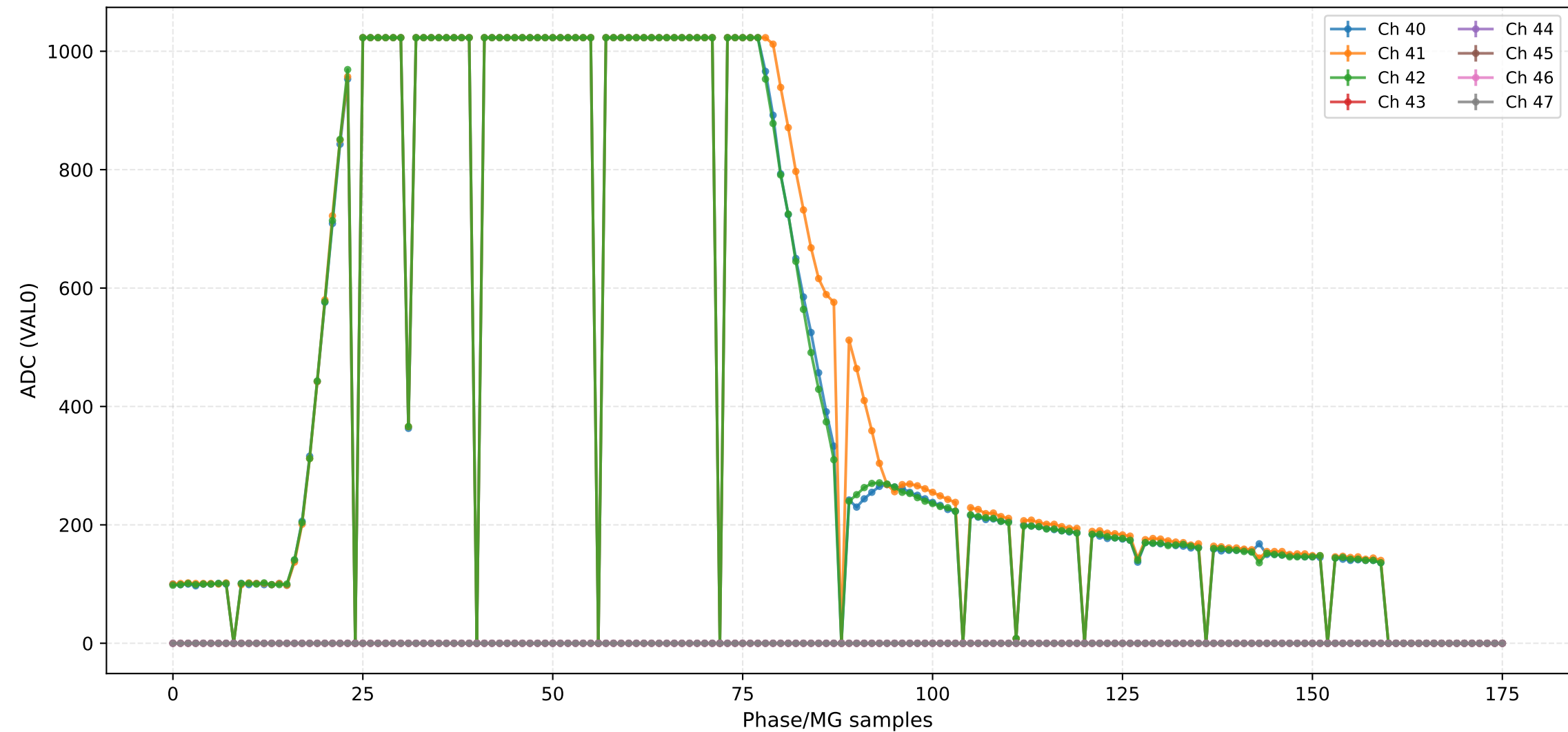
ADC (VAL0) - Channels 24 to 31



ADC (VAL0) - Channels 32 to 39



ADC (VAL0) - Channels 40 to 47



ADC (VAL0) - Channels 48 to 55



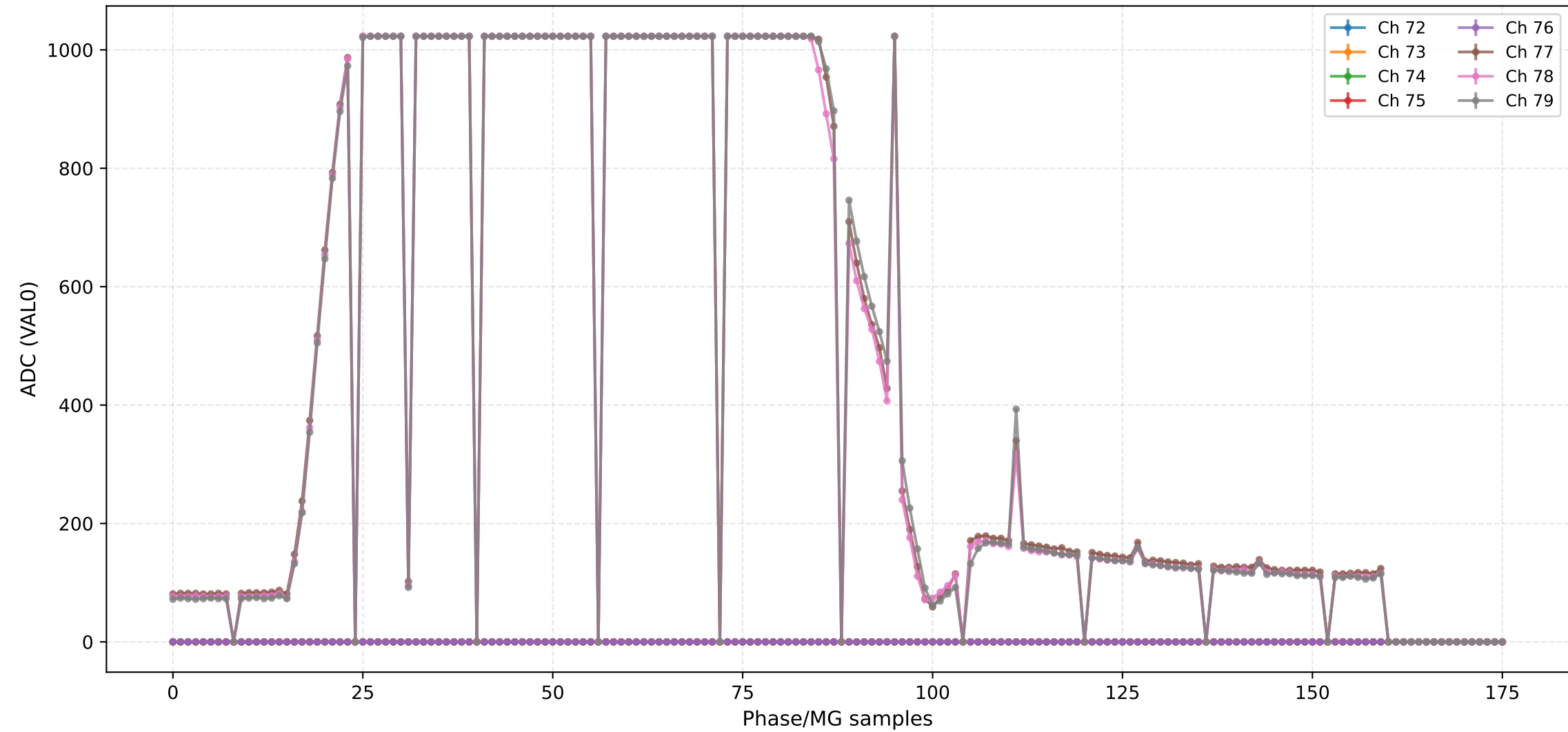
ADC (VAL0) - Channels 56 to 63



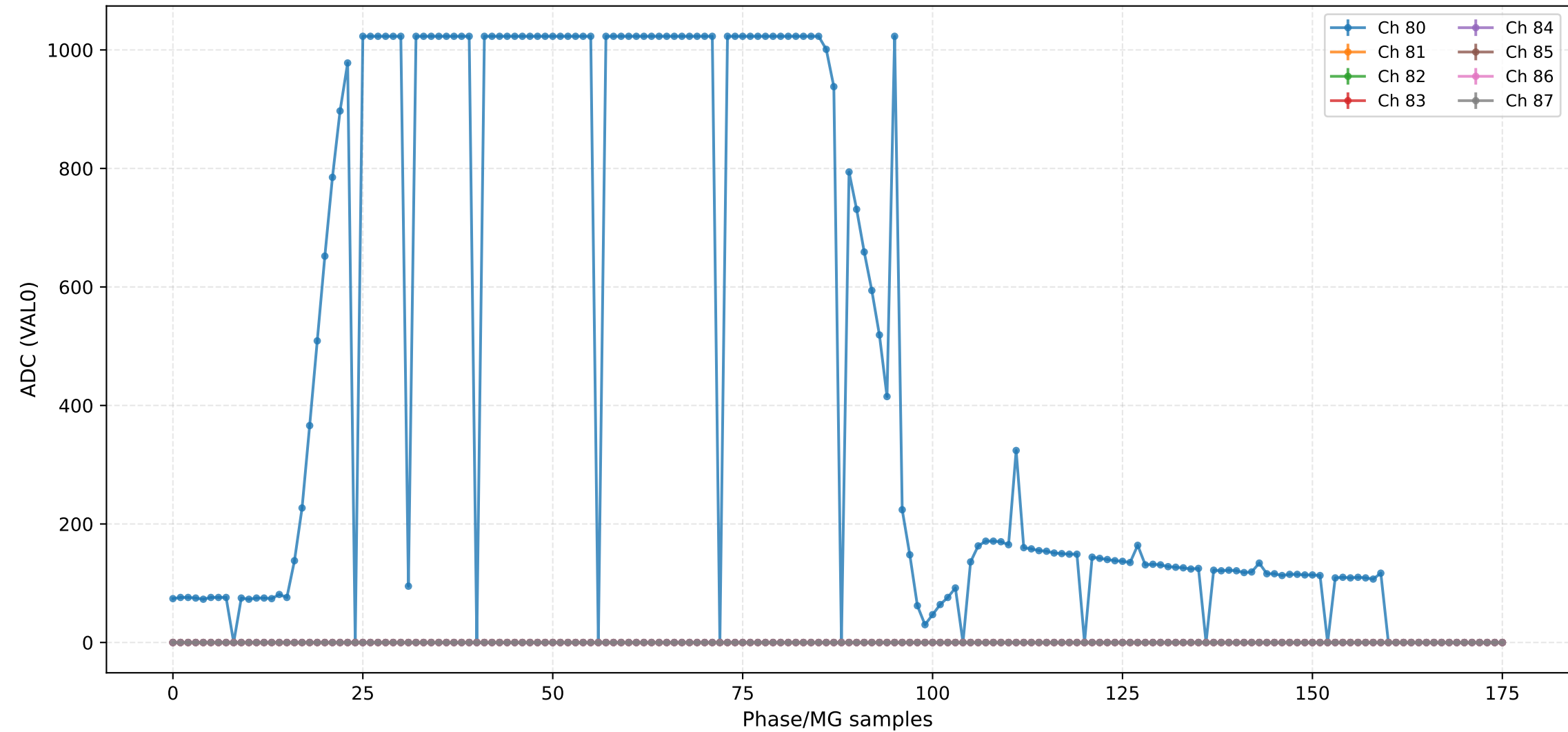
ADC (VAL0) - Channels 64 to 71



ADC (VAL0) - Channels 72 to 79



ADC (VAL0) - Channels 80 to 87



ADC (VAL0) - Channels 88 to 95



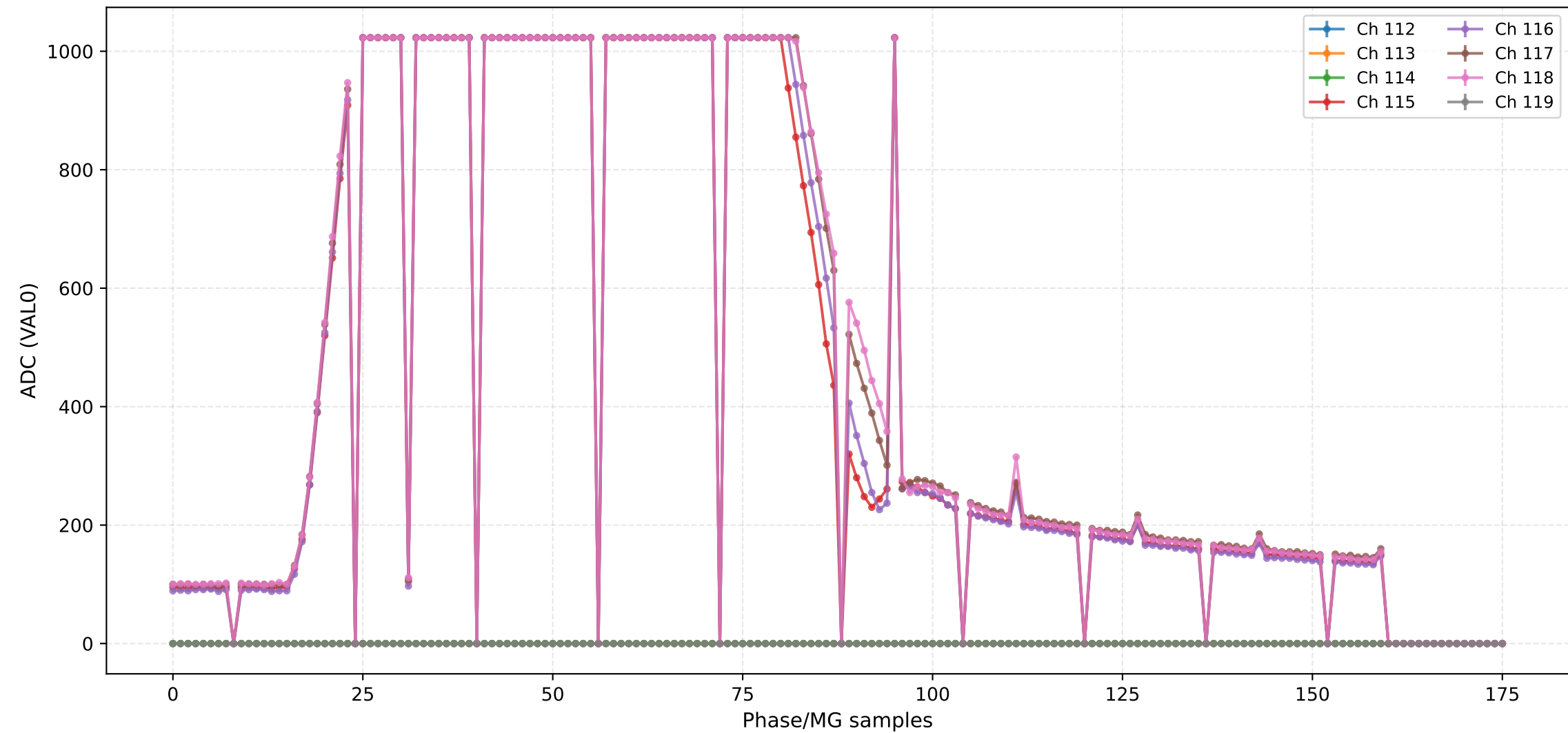
ADC (VAL0) - Channels 96 to 103



ADC (VAL0) - Channels 104 to 111



ADC (VAL0) - Channels 112 to 119



ADC (VAL0) - Channels 120 to 127



ADC (VAL0) - Channels 128 to 135



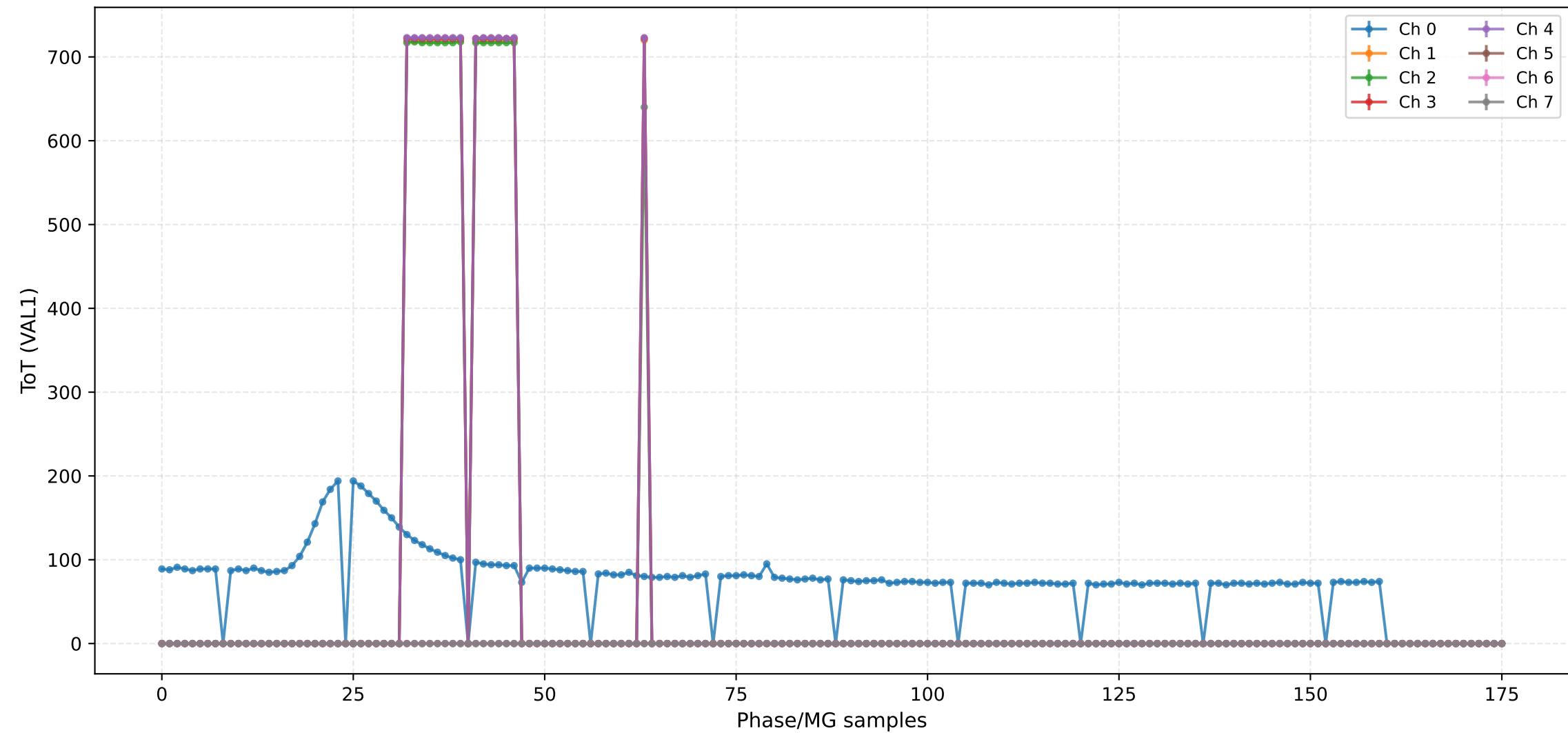
ADC (VAL0) - Channels 136 to 143



ADC (VAL0) - Channels 144 to 151



ToT (VAL1) - Channels 0 to 7



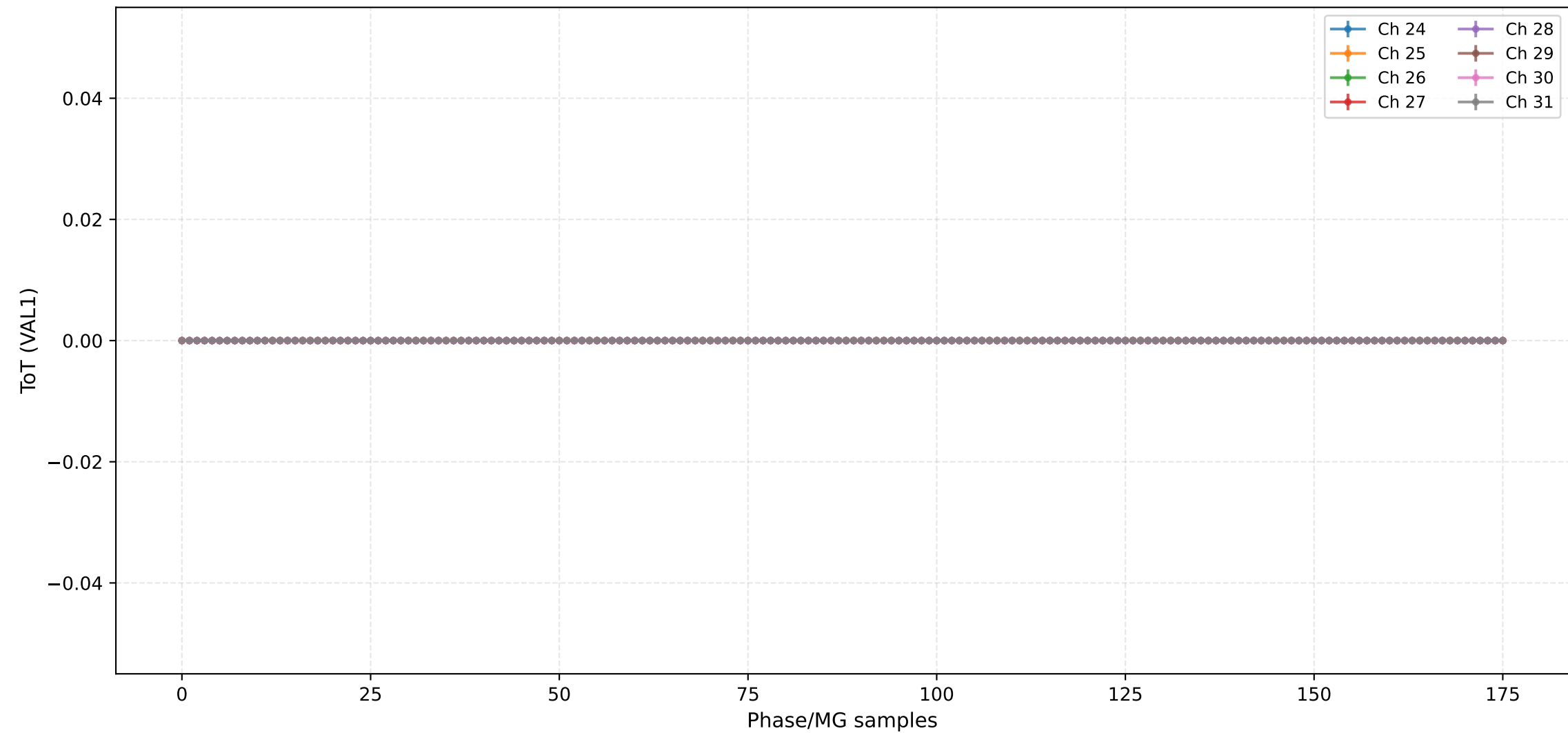
ToT (VAL1) - Channels 8 to 15



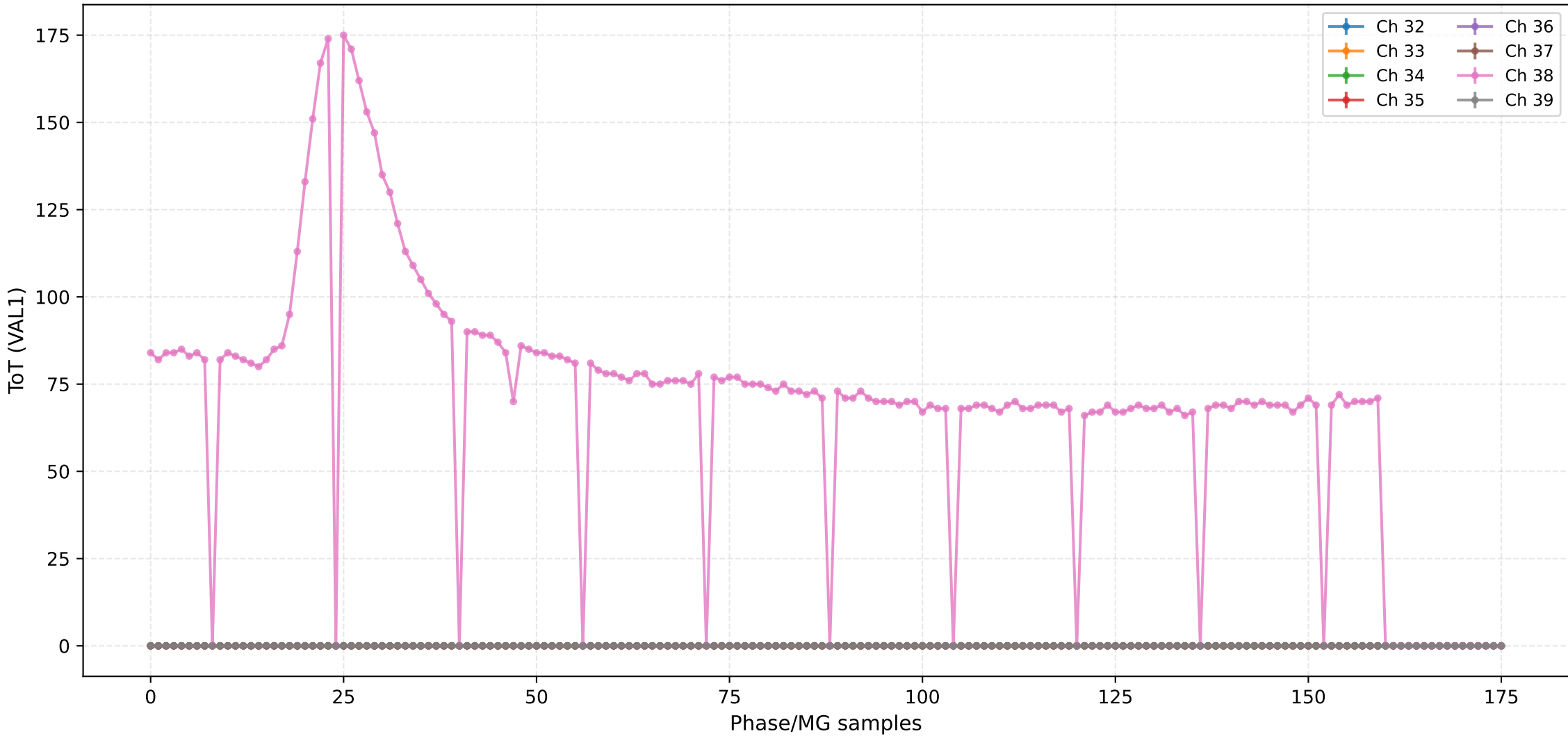
ToT (VAL1) - Channels 16 to 23



ToT (VAL1) - Channels 24 to 31



ToT (VAL1) - Channels 32 to 39



ToT (VAL1) - Channels 40 to 47



ToT (VAL1) - Channels 48 to 55



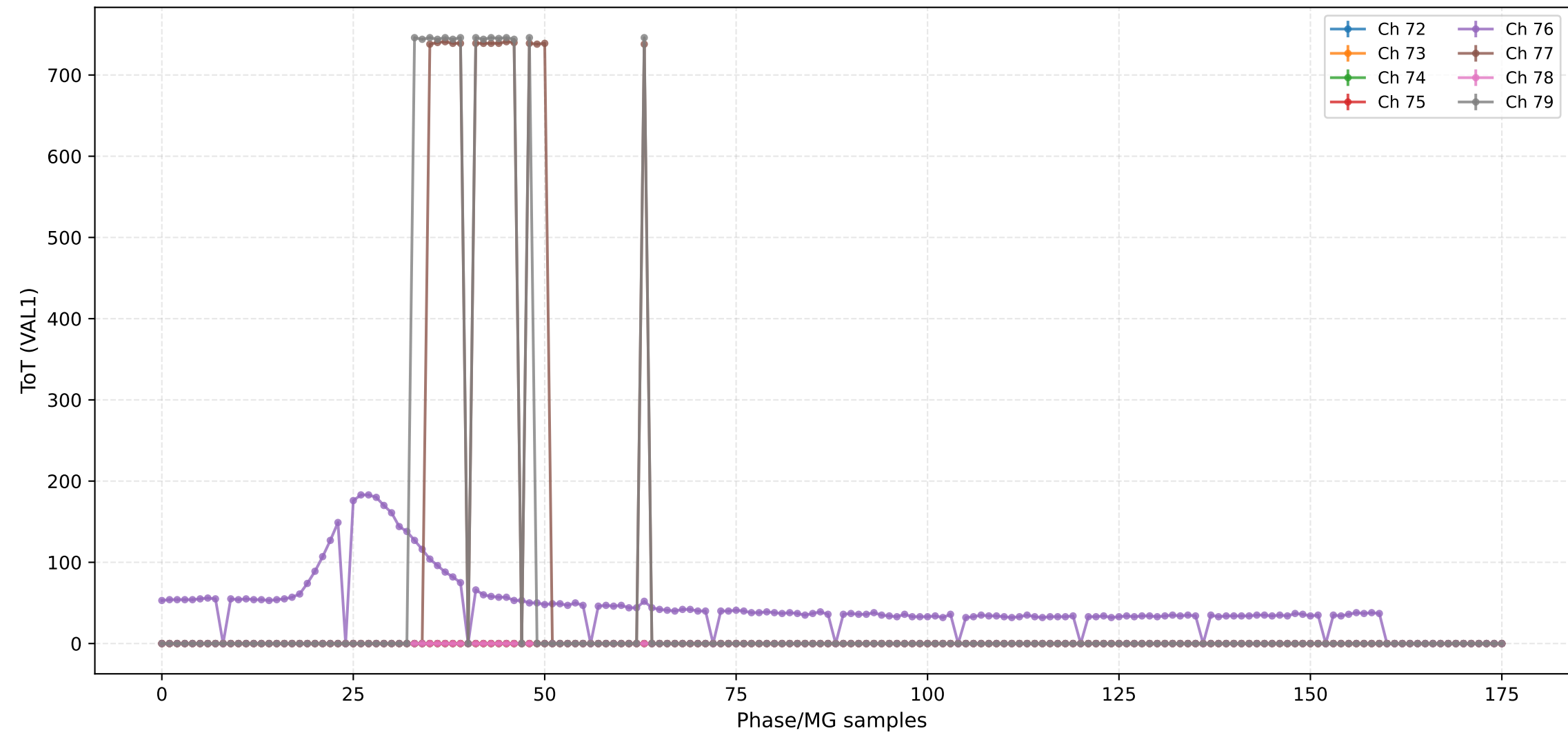
ToT (VAL1) - Channels 56 to 63



ToT (VAL1) - Channels 64 to 71



ToT (VAL1) - Channels 72 to 79



ToT (VAL1) - Channels 88 to 95



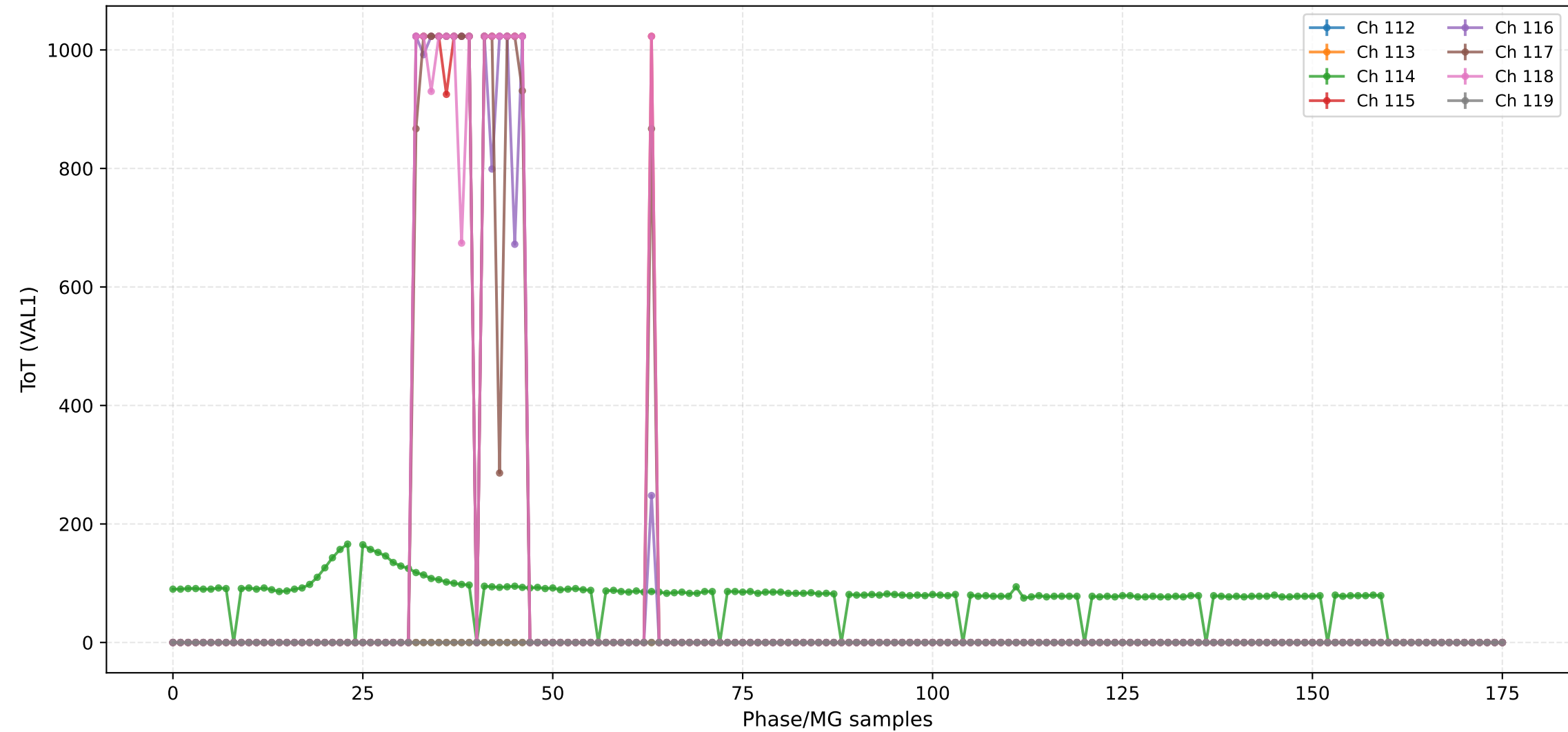
ToT (VAL1) - Channels 96 to 103



ToT (VAL1) - Channels 104 to 111



ToT (VAL1) - Channels 112 to 119



ToT (VAL1) - Channels 120 to 127



ToT (VAL1) - Channels 128 to 135



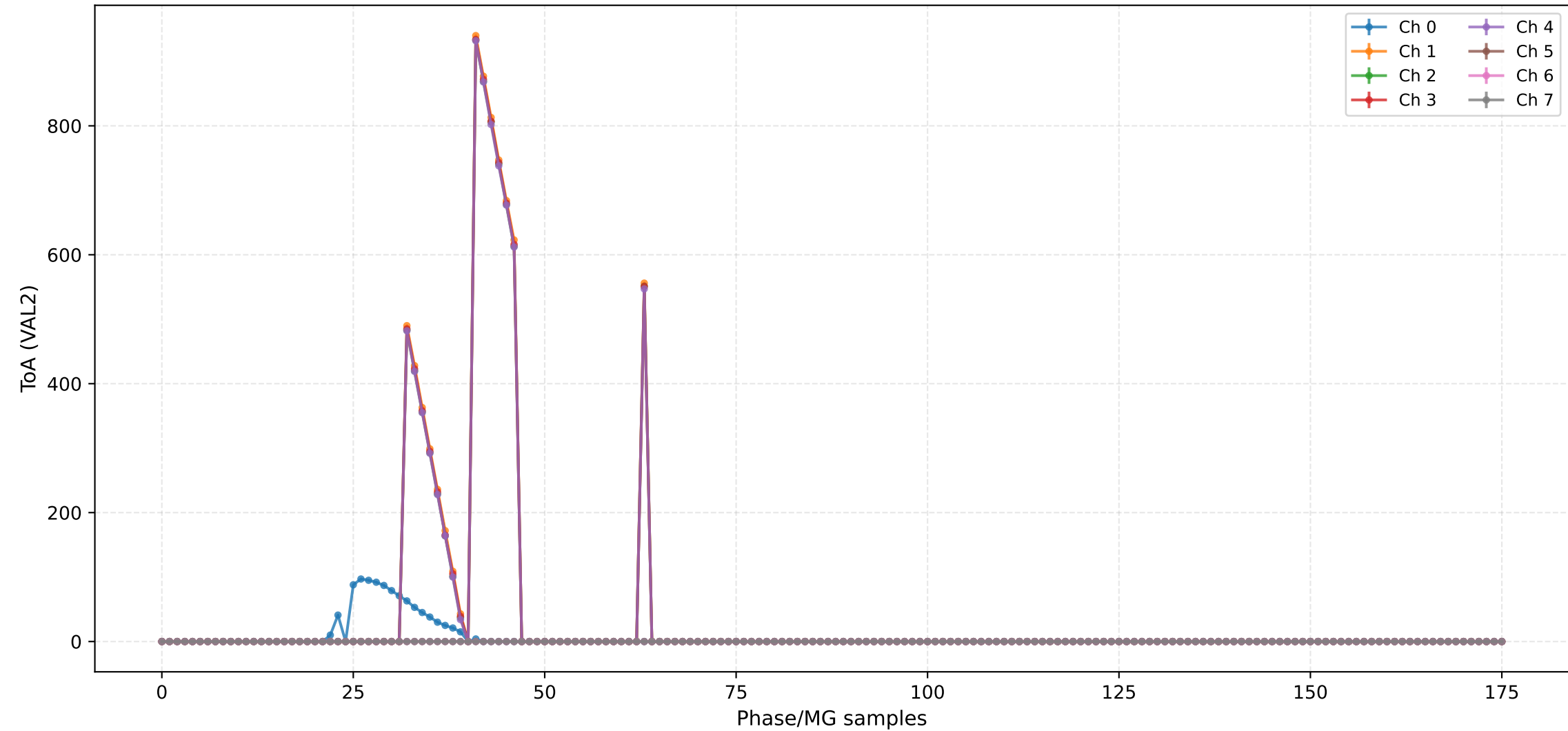
ToT (VAL1) - Channels 136 to 143



ToT (VAL1) - Channels 144 to 151



ToA (VAL2) - Channels 0 to 7



ToA (VAL2) - Channels 8 to 15



ToA (VAL2) - Channels 16 to 23



ToA (VAL2) - Channels 24 to 31



ToA (VAL2) - Channels 32 to 39



ToA (VAL2) - Channels 40 to 47



ToA (VAL2) - Channels 48 to 55



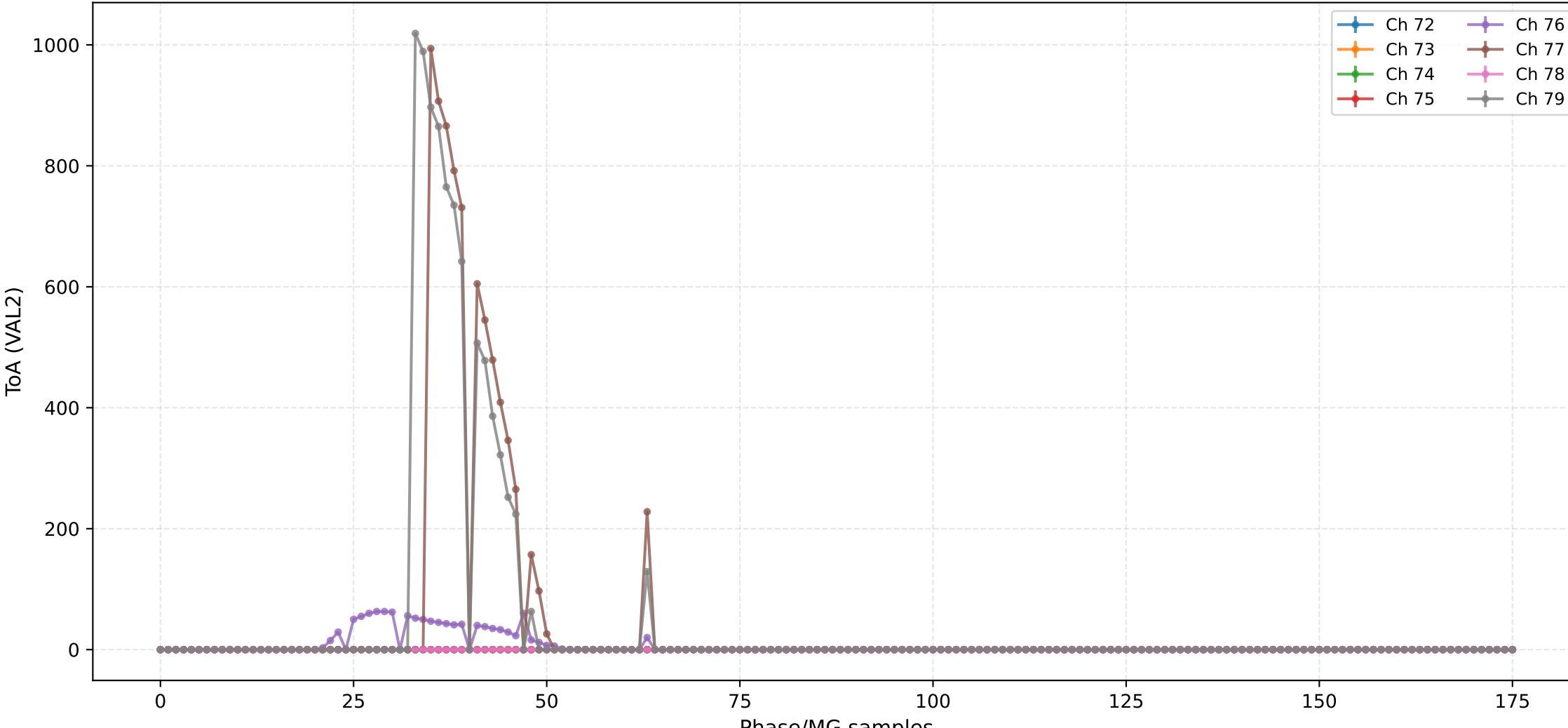
ToA (VAL2) - Channels 56 to 63



ToA (VAL2) - Channels 64 to 71



ToA (VAL2) - Channels 72 to 79



ToA (VAL2) - Channels 88 to 95

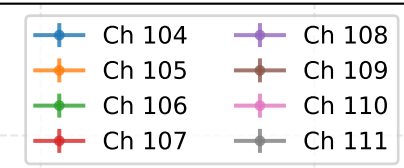


ToA (VAL2) - Channels 96 to 103

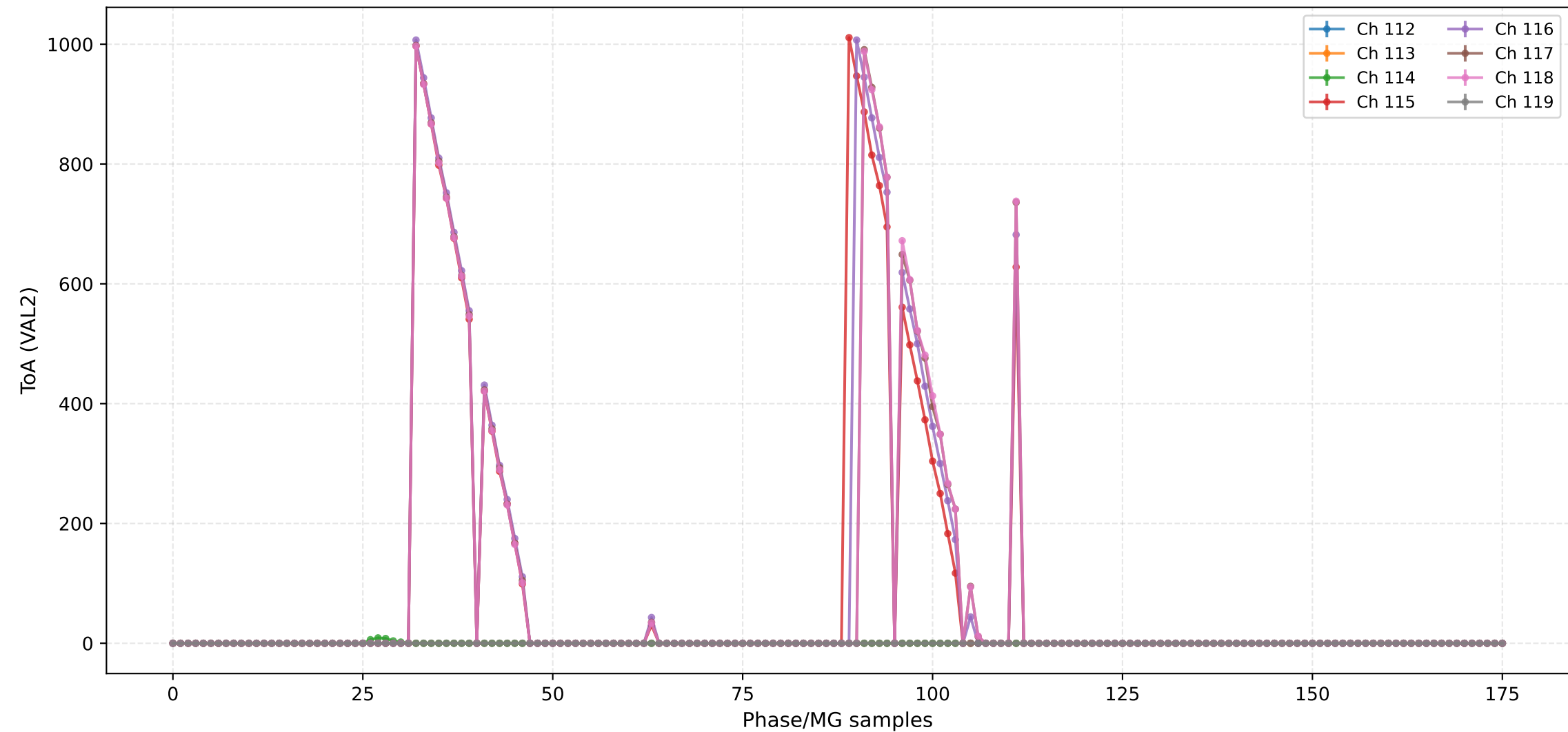


The graph displays the average value of the order parameter S for six channels (Ch 104 to Ch 107) over 180 iterations. The x-axis represents iterations from 0 to 180, and the y-axis represents the average value of S from 0.0 to 1.0. All channels show a rapid increase in S , stabilizing at approximately 0.85 after about 20 iterations. Ch 104 (blue) and Ch 105 (orange) reach the highest values, while Ch 106 (green) and Ch 107 (red) reach the lowest values. Ch 106 and Ch 107 show a slight dip around iteration 100.

Iteration	Ch 104	Ch 105	Ch 106	Ch 107	Ch 108	Ch 109
0	0.00	0.00	0.00	0.00	0.00	0.00
20	0.85	0.85	0.80	0.80	0.85	0.85
40	0.85	0.85	0.80	0.80	0.85	0.85
60	0.85	0.85	0.80	0.80	0.85	0.85
80	0.85	0.85	0.80	0.80	0.85	0.85
100	0.85	0.85	0.78	0.78	0.85	0.85
120	0.85	0.85	0.80	0.80	0.85	0.85
140	0.85	0.85	0.80	0.80	0.85	0.85
160	0.85	0.85	0.80	0.80	0.85	0.85
180	0.85	0.85	0.80	0.80	0.85	0.85



ToA (VAL2) - Channels 112 to 119



The graph displays the time evolution of the expectation value of the Pauli matrix σ_y for four different channels (Ch 120, Ch 121, Ch 122, Ch 123). The x-axis represents time in units of 10^{-12} s, ranging from 0 to 150. The y-axis represents the expectation value, ranging from -1 to 1. All four channels show a constant value of 0 throughout the entire time range.



The figure displays a plot of the expectation value of the Pauli matrix σ_y over time for six channels. The x-axis is labeled 'Time' and ranges from 0 to 150. The y-axis is labeled ' σ_y ' and ranges from -1 to 1. A legend in the top right corner identifies the channels: Ch 128 (blue), Ch 129 (orange), Ch 130 (green), Ch 131 (red), Ch 128 (purple), and Ch 129 (brown). All six channels show a constant value of 0 for the entire duration of the simulation.



The plot displays the time evolution of the expectation value of the Pauli matrix σ_y for several channels. The x-axis represents time, ranging from 0 to 150, and the y-axis represents the expectation value, ranging from -1 to 1. A horizontal line at $y=0$ indicates that the expectation value of σ_y remains zero for all channels and times. The legend identifies channels Ch 136 (blue), Ch 137 (orange), Ch 138 (green), Ch 139 (red), and Ch 140 (purple).



ToA (VAL2) - Channels 144 to 151



Injection Scan Results

Script: 205_Injection v1.0

Date: 2025-12-12 12:06:25

Configuration:

- Total ASICs: 2
- Injection DAC: 3400
- Machine Gun: 10
- Scan Pack: 2
- Scan Channels: 10
- 2.5V Injection: True
- High Range Injection: False

Analog Settings:

- RF: 0x-1
- CF: 0x-1
- CC: 0x-1
- CF Comp: 0x-1

Output Files:

- 205_Injection_asic2_injdac3400_mg10_pack2_chn10_val0.csv
- 205_Injection_asic2_injdac3400_mg10_pack2_chn10_val1.csv
- 205_Injection_asic2_injdac3400_mg10_pack2_chn10_val2.csv